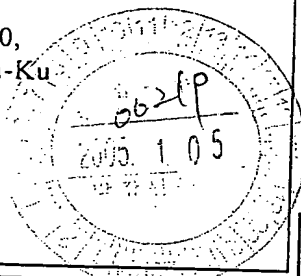


# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:

PARK Jang-Won  
Jewoo Bldg. 5th Floor, 200,  
Nonhyun-Dong, Kangnam-Ku  
135-010 Seoul  
Republic of Korea



1/5 2005.01.05  
**PCT 31 MAY 2005**

INVITATION TO PAY ADDITIONAL FEES

(PCT Article 17(3)(a) and Rule 40.1)

02 F0A 056 P 001

Applicant's or agent's file reference  
**PALGE021222**

International application No.  
**PCT/ KR 2002/002264**

Applicant  
**LG ELECTRONICS INC.**

Date of mailing  
(day:month:year) **28 December 2004 (28.12.2004)**

**PAYMENT DUE** within months/days from  
the above date of mailing

International filing date  
(day:month:year) **2 December 2002 (02.12.2002)**

**1. This International Searching Authority**

(i) considers that there are 2 (number of) inventions claimed in the international application covered by the claims indicated below/on an extra sheet:

and it considers that the international application does not comply with the requirements of unity of invention (Rules 13.1, 13.2 and 13.3) for the reasons indicated below/on an extra sheet:

Heat exchanger structures I and II are completely different embodiments which are not linked as to form an single inventive concept.

(ii) ☒ has carried out a partial international search (see Annex) ☐ will establish the international search report on those parts of the international application which relate to the invention first mentioned in claims Nos.: 1-7

(iii) will establish the international search report on the other parts of the international application only if, and to the extent to which, additional fees are paid.

**2. The applicant is hereby invited, within the time limit indicated above, to pay the amount indicated below:**

€ 159,00 x 1 = €159,00  
Fee per additional invention      number of additional inventions      total amount of additional fees

The applicant is informed that, according to Rule 40.2(c), the payment of any additional fee may be made under protest, i.e., a reasoned statement to the effect that the international application complies with the requirement of unity of invention or that the amount of the required additional fee is excessive.

3. ☐ Claim(s) Nos. \_\_\_\_\_ have been found to be unsearchable under Article 17(2)(b) because of defects under Article 17(2)(a) and therefore have not been included with any invention.

Name and mailing address of the ISA/  
Austrian Patent Office  
Dresdner Straße 87, A-1200 Vienna  
Facsimile No. 1/53424/535  
Form PCT/ISA/206 (July 1992)

Authorized officer  
**SCHLECHTER B.**  
Telephone No. 1/53424/448

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COMMUNICATION RELATING TO THE RESULTS OF THE  
PARTIAL INTERNATIONAL SEARCHInternational application No.  
PCT/KR 2002/002264

1. The present communication is an Annex to the invitation to pay additional fees (Form PCT/ISA/206). It shows the results of the international search established on the parts of the international application which relate to the invention first mentioned in claims Nos.: 1-7
2. This communication is not the international search report which will be established according to Article 18 and Rule 43.
3. If the applicant does not pay any additional search fees, the information appearing in this communication will be considered as the result of the international search and will be included as such in the international search report.
4. If the applicant pays additional fees, the international search report will contain both the information appearing in this communication and the results of the international search on the other parts of the international application for which such fees will have been paid.

## DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 59 167696 A (MATSUSHITA SEIKO) 21 September 1984 (21.09.1984) <i>figs. 1-7 and description.</i>	1-7
X	JP 08 145587 A (MITSUBISHI ELECTRIC) 7 June 1996 (07.06.1996) <i>fig. 27 and description.</i>	1-3
X	GB 1556315 A (SULZER BROTHERS) 21 November 1979 (21.11.1979) <i>fig., description.</i>	1,2,7
X	US 4460388 A (FUKAMI et al.) 17 July 1984 (17.07.1984) <i>fig. 10 and description.</i>	4-6
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☐ Further documents are listed in a continuation Box.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date  
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

INVITATION TO PAY ADDITIONAL FEES

International application No.  
PCT/KR 2002/002264

To 1. (i)

- I: Claims 1-7: Heat exchanger mainly embodied by structure of heat exchanging members of corrugated structure.
- II: Claims 8-11: Heat exchanger mainly embodied by air path structure enabled by embossing protrusions.

Patent Family Annex  
Information on patent family members

International application No.  
PCT/KR 2002/002264

Patent document cited in search report			Publication date	Patent family member(s)			Publication date
GB	A	1556315	1979-11-21	AT	A	645977	1978-12-15
				AT	B	351062B	1979-07-10
				FR	A	2365092	1978-04-14
				CH	A	610648	1979-04-30
				BR	A	7706263	1978-06-13
JP	A	8145587A					
		2		none			
JP	A	59167696					
		A2		none			